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TITLE: Controlled-release tablets coated with compositions
containing water-soluble and water-insoluble polymers
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PRIORITY APPLN. INFO.:
AB Pharmaceutical-containing controlled-release tablets are coated with compns.
containing water-soluble polymers (WS) and water-insol. (WI) polymers (blend
weight
ratio WS:WI = 1 : 1-3) of 100-1000 μ m thickness. Ascorbic acid 250, Na
ascorbate 281.23, and diluents 66.37 mg were mixed and granulated, which
were mixed with 2.4 mg Mg stearate and pressed to give a tablet. The
tablets (300 g) were coated with a solution of 12 g Et cellulose, 8 g
polyethylene glycol, and 200 mL EtOH to give film-coated
tablets (polyethylene glycol content 40%, film
thickness 100 μ m), which showed vitamin C dissoln. rate of 10.1, 46.3,
78.3, 92.4, and 98.1% after 1, 4, 8, 12, and 18 h, resp., vs. 70.0, 97.0,
99.9, 100, and 100% after 6, 15, 30, 60, and 120 min, resp., for a control
prepared similarly but without film-coating. The film-coated tablets had
strong mech. strength in wet conditions.

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